Draft Technical Programme

The Implementation Phase?

Voyage plan Copenhagen - Oslo - Copenhagen

27 January - 29 January 2015

The global e-Navigation community gathers for the 5'th time on Pearl Seaways. At the doorstep of the implementation phase, lots of new challenges and questions arise, that are certain to spark a lively discussion.

www.e-navigation.net
Day 1  The big picture

Chairman: Omar Frits Eriksson, Chairman, IALA e-Navigation Committee

Welcome
Andreas Nordseth, Director General, Danish Maritime Authority
Michael Card, Deputy Secretary General, IALA

Setting the scene
Omar Frits Eriksson, Chairman, IALA e-Navigation Committee

TBA (Keynote)  Simon Pelletier, President, IMPA

e-Navigation, what’s next
John Erik Hagen, Director, Norwegian Coastal Administration

IHO’s underpinning role in e-Nav
Robert Ward, President, IHO

TBA  John Murray, Director, ICS

IALA’s e-Navigation committee - reborn
Omar Frits Eriksson, Chairman, IALA e-Navigation Committee

The “e-Nav Ship Side Coordination Task Group”
Michael Bergman, President, CIRM

Day 2  The devil is in the detail

Theme: Testbeds

Voice and Text Messaging in Ship Communication
Thomas Porathe, Norwegian University of Science and Technology, Norway

TBA  Jin Park, Korea Research Institute of Ships and Ocean Engineering, Korea

TBA  Alwyn Williams, General Lighthouse Authorities, UK & Ireland

Infrastructure

Maritime Cloud, New Standards and “Maritime Android Approach”
Geir L. Olsen, Jeppesen, Norway
...Day 2

**The European Maritime Simulation Network: planned and possible future uses**  
Ole John, Fraunhofer Center for Maritime Logistics and Services, Germany

**Digital Infrastructures for enabling Sea Traffic Management**  
Mikael Lind, Viktoria Swedish ICT, Sweden

**TBA**  
Danish Maritime Authority

**Building the Internet of Things @ Sea - First results from Testbed Horten-Moss, Oslo Fjord, Norway**  
Geir Fagerhus, MARSEC-XL & Capt. Gisle Stava, Basto-Fosen Ferries, Malta, Norway

**e-Navigation for the non-SOLAS segment**

**Development on the cloud-based navigation support system**  
Jung Sung Heon, Dong Kang M-Tech, Korea

**Development of a pilot small sea area ship information system using Maritime Cloud and smart phones**  
Junji Fukuto, National Maritime Research Institute, Japan

**Challenges of e-Navigation for leisure boats**  
Pierpaolo Baglietto, University of Genoa, Italy

**e-NOffshore testbed: e-Navigation making offshore Simultaneous Operations safer**  
Filipe Modesto da Rocha, PETROBRAS, Brazil

**Human factors**

**Building e-navigation systems – Human Centred Design in practice**  
Benjamin Brooks, Margareta Lützhöft, National Centre for Ports and Shipping, Australia

**IMO guidance on Human Centred Design, Software Quality Assurance and Usability Testing**  
Nick Lemon, Australian Maritime Safety Authority, Australia
...Day 2

Theme: Communication & PNT

What the modernization of GMDSS could bring to e-navigation?
Jean-Charles Cornillou, Centre for expertise and engineering on risks, urban and country planning, environment and mobility, France

Coordinated enhancement of the maritime PNT system: road map and guidelines
Evelin Engler, German Aerospace Center, Germany

Theme: The evolution of existing systems

The future of ECDIS
Anders Rydlinger, Transas, Sweden

Practical aspects of transition from paper navigation to paperless with accent to human factor and navigation equipment check
Alexander Yatchenko, ERNC (ElectroRadioNavigational Chamber), Russia

Day 3  Summing up

Panel discussion
Conclusions
Announcement of e-Navigation Underway - North America 2015
Closing remarks